

Title (en)

Process for improving the cold start behaviour of selective CO-oxidation catalysts

Title (de)

Verfahren zur Verbesserung des Kaltstartverhaltens von selektiven CO-Oxidationskatalysatoren

Title (fr)

Procédé d'amélioration du comportement au démarrage à froid de catalyseurs d'oxydation sélective de CO

Publication

EP 1270510 A3 20051109 (DE)

Application

EP 02010382 A 20020508

Priority

DE 10129658 A 20010620

Abstract (en)

[origin: EP1270510A2] Process for improving the cold start behavior of selective carbon monoxide oxidation catalysts in gas purification stages of a gas generating system comprises feeding a medium stream over the oxidation catalyst after switching off the gas generating system to flush out start-delaying components. Preferred Features: The medium stream contains oxygen. The medium stream is fed over the catalyst before the catalyst is cooled. The medium stream is fed around an anode chamber of a fuel cell via a by-pass after it has been fed over the catalyst.

IPC 1-7

C01B 3/58; **H01M 8/06**

IPC 8 full level

B01D 53/86 (2006.01); **B01J 8/04** (2006.01); **B01J 19/00** (2006.01); **C01B 3/58** (2006.01); **H01M 8/0662** (2016.01); **H01M 8/0612** (2016.01)

CPC (source: EP US)

B01D 53/864 (2013.01 - EP US); **B01D 53/8696** (2013.01 - EP US); **B01J 8/04** (2013.01 - EP US); **B01J 19/002** (2013.01 - EP US); **C01B 3/583** (2013.01 - EP US); **H01M 8/0662** (2013.01 - EP US); **B01J 2208/00716** (2013.01 - EP US); **C01B 2203/044** (2013.01 - EP US); **C01B 2203/047** (2013.01 - EP US); **H01M 8/0612** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

- [X] US 5648182 A 19970715 - HARA TAKESHI [JP], et al
- [PX] WO 0197312 A1 20011220 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al & EP 1291948 A1 20030312 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] DE 19944536 A1 20010329 - XCELLSIS GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 263 (E - 435) 9 September 1986 (1986-09-09)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1270510 A2 20030102; **EP 1270510 A3 20051109**; DE 10129658 A1 20030102; US 2003007903 A1 20030109

DOCDB simple family (application)

EP 02010382 A 20020508; DE 10129658 A 20010620; US 17398402 A 20020619